	Energy (MU) March, 2005		Peak (MW) March, 2005'
Requirement	4327	Peak Demand	7190
Availability	3715	Peak Met	6124
Shortage	612	Shortage	1066
Shortage (%)	14.1	Shortage (%)	14.8

(b) and (c) Uttar Pradesh has already been allocated 296 MW power from Rihand STPS Stage-II (2x500 MW) of NTPC and 56 MW from Dhauliganga HEP (280 MW) of NHPC which will be put into commercial operation during 2005-06. In addition, the State will also have entitlements from Dulhasti HEP (390 MW) of NHPC and Tehri HEP Stage-I (1000 MW) of THDC which are programmed for commissioning during the year 2005-06.

Use of installed capacity

†4456. SHRI RAJ MOHINDER SINGH MAJITHA:
SHRI RAM JETHMALANI:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that on an average 74.8 per cent use of installed capacity is being made from power generation projects operated by Central Government;

(b) if not, the facts in this regard;

(c) whether it is also a fact that use of installed capacity in many of these projects is not as per commercial norms;

(d) if so, the names of the projects generating power less than 70 per cent of their installed capacity;

(e) whether power generation can be increased by improving the projects having lesser generation capacity; and

(f) if so, to what extent?

THE MINISTER OF POWER (SHRI P.M. SAYEED): (a) and (b) During the year 2004-05, the average Plant Load Factor (PLF) of thermal power stations (all sectors) in the country was 74.8%.The PLF of central sector generating stations was 81.7%. The sector-wise PLF for 2004-05 is given below:—

†Notice of the question was received in Hindi.

Sector	Type	PLF(%)
Central	Thermal	81.7
	Nuclear	70.7
State	Thermal	69.6
Private	Thermal	85.2
All India	Thermal	74.8
	Nuclear	70.7

While the capacity utilization of hydro power projects depends on the water inflows/reservoir level, the capacity utilization of gas/liquid based power projects depends on the availability of gas as well as requistion of States from such power projects.

(c) and (d) Details of the thermal and nuclear power stations which are operating below 70%. PLF during 2004-05 are given in the Statement (See below).

(e) and (f) Government of India have identified 106 old thermal units having capacity of 10413 MW for Life Extension (LE) works during the 10th Plan at an estimated cost of Rs. 9200.00 Crores. After implementation of the LE Schemes, the economical life of the units would get extended by another 15-20 years and the generating capacity would increase to 10747 MW besides overall improvement in the performance of the units. In addition, 57 thermal units having capacity of 14270 MW, which are comparatively new unis and are performing well, have also been identified for Renovation & Modernisation (R&M) works to sustain their performance at an estimated cost of Rs. 977.00 Crores.

Government of India have also identified a programme to renovate 62 existing hydroelectric power projects having installed capacity of 9977.5 MW for implementation during the 10th Plan at an estimated cost of Rs. 2227.062 Crores. After implementation of the programme, a benefit in the form of 1516.31 MW would accrue.

Statement

Details of the thermal and nuclear power stations which are operating below 70% PLF during 2004-05

THERMAL

Sector	*Utility*	*Station*	PLF%
Central	DVC	Chandrapura	28.9
Central	DVC	Durgapur	47.9
Central	DVC	Bokaro A	0
Central	DVC	Bokaro B	44.6
Central	NTPC	Farakka Stps	69.2
Privatre Sector	CESE	Newcossipore	42.4
State	IPGPCL	I.P. Station	42.5
State	IPGPCL	Raghat	58.9
State	HPGC	Faridabad Extn.	60.1
State	PSEB	GNDTP (Bhatinda)	51.6
State	UPRRVUNL	OBRA	43.8
State	UPRRVUNL	Panki	49.1
State	UPRRVUNL	H. Ganj. B	18.7
State	UPRRVUNL	Paricha	50.5
State	GEB	Dhuvaran	45.3
State	GEB	Ukai	68
State	GEB	Gandhi Nagar	59.1
State	GEB	Sikka Rep.	67
State	GEB	Kutch LIG.	44.2
State	CSEB	Korba III	42.8
State	MPGPCL	Amar Kantak	39.3
State	MPGPCL	Amar Kantak Ext.	48.9
State	MSEB	Koradi	68.1
State	APGENCO	Nellore	58.5
State	TNEB	Ennore	31
State	JSEB	Patartu	11
State	BSEB	Barauni	5.7
State	BSEB	Muzaffarpur	0
State	TVNL	Tenughat	36
State	WBPDCL	Bandel	46.3
State	WBPDCL	SANTALDIH	31.8
State	WBPDCL	Kolaghat	67
State	DPL	D.P.L.	59.4
Nuclear			
Central	NPC	Kakrapara	85.2
Central	NPC	M.A.P.P.	49.7